

I CLAIM:

1. A controllable moving fence system for handling livestock and for controlling the consuming of pasture during the feeding of livestock, the system comprising:

a boundary fence defining a lot, and

at least one controllable moving fence extending between opposite sides of the boundary fence, the moving fence dividing and separating the lot into at least one first lot portion at one side of the moving fence, for containing the livestock, and at least one second lot portion at another opposite side of the moving fence, for conserving the pasture, whereby the moving fence controllably moves to increase the area of the first lot portion and to decrease the area of the second lot portion.

2. The system of claim 1, wherein at least the moving fence comprises an electric wire.

3. The system of claim 1, further comprising driving means for moving the moving fence.

4. The system of claim 1, wherein the at least one moving fence has two opposite ends with each end connected

to one corresponding side of the opposite sides of the boundary fence and capable of moving along the corresponding opposite side of the boundary fence.

5. The system of claim 4, wherein each end of the moving fence is connected to a moving carrier that moves along one of the corresponding opposite sides of the boundary fence, the carrier being connected to the driving means for moving the carrier along at least one side wire in each of the opposite sides of the boundary fence.

6. The system of claim 5, wherein the moving carrier comprises a support base made of electrical insulating material and the carrier includes driving wheels and guiding-contacting wheels for moving and guiding along said at least one side wire in the opposite sides of the boundary fence, the guiding-contacting wheels being resiliently mounted in the carrier for resiliently contacting the side wires.

7. The system of claim 6, wherein the driving means comprises motor means and the at least one side wire comprises a pair of electrical feeding wires at each of said opposite sides of the boundary fence, for electrically feeding the motor means in the carrier, and a third electrical wire for electrifying the moving fence.

8. The system of claim 6, wherein said motor means is connected to the electrical feeding wires through the guiding-contacting wheels in the carrier with the guiding-contacting wheels being in electrical contact with each of the electrical feeding wires and with the third wire being connected to the moving fence through a fence contacting wheel that is in electrical contact with the third wire and the moving fence.

9. The system of claim 7, wherein the electrical feeding wires are connected to an electronic control and electrification unit.

10. The system of claim 7, wherein the motor means comprises two motors in each carrier with a driving wheel mounted in each motor, the driving wheel being made of insulating material.

11. The system of claim 10, wherein the carrier includes four guiding-contacting wheels with each motor being in feeding contact to two associated ones of the four guiding-contacting wheels.

12. The system of claim 11, wherein the driving wheels and the guiding-contacting wheels are arranged in a

zig-zag pattern and each electrical feeding wire is associated to one motor and passes between a pair of the guiding-contacting wheels associated to the one motor and a the driving wheel of the one motor.

13. The system of claim 12, wherein the each guiding-contacting wheel includes a shaft made of electrical conducting material and connected to a feeding input of an associated one of the motors through a spring, the spring providing a resilient mounting for the guiding-contacting wheel.

14. The system of claim 13, wherein the carrier includes a conducting bar having at least one end thereof connected in electrical conducting relationship to the moving fence, the bar being in turn electrically connected to an electrical conducting secondary bar having an end including the fence contacting wheel, the secondary bar and the fence contacting wheel being in electrical conducting contact.

15. The system of claim 14, wherein the moving fence is connected to the secondary conducting bar through a conducting hook.

16. The system of claim 15, wherein the motors are DC low tension motors.

17. The system of claim 16, wherein the motors include respective speed varying boxes connected to the driving wheels.

18. The system of claim 17, wherein the electronic control and electrification unit includes a second-minute-hour-day programmable timer for operating the carriers according to a programmed motion pattern.

19. The system of claim 17, wherein the electronic control and electrification unit includes a computer with a program stored therein, the program processing clock data, operation periods data, number of animals, sizes of animals and pasture density.